

FINANCIAL REPORT

W A T E R

1936



FINANCIAL REPORT  
OF THE  
DIVISION OF ACCOUNTS  
( WATER )

March 30, 1937

To the Director of Public Affairs,  
Newark, New Jersey.

Dear Sir:

Attention Mr. Jas. W. Costello, Chief Engr.

I submit herewith the Financial Report of the  
Division of Accounts-Water, for the year ending December  
31st, 1936, contained in the following statements:

Income Account for the year ending December 31st,  
1936.

Balance Sheet as at December 31st, 1936.

Respectfully,

Chief Accountant.



March 30th, 1937

To the Director of Public Affairs,

Newark, New Jersey.

Dear Sir:

I submit herewith schedules supporting the Income Account and Balance Sheet presented to you on February 1, 1937, and offer the following explanation of the various schedules:  
FIXED CAPITAL, \$45,917,657.88.

This schedule shows the additions to the plant and equipment during the year, the principal additions being amounts expended in:

|                              |              |
|------------------------------|--------------|
| Macopin Village              | \$ 881.44    |
| Forester's House, Watershed  | 4,562.63     |
| Forestry                     | 516.00       |
| 42" and 45" Pipe Line        | 59,024.89    |
| Keeper's House - So. 8th St. | 889.70       |
| High Pressure System         | 18,297.21    |
| General Distribution Mains   | 96,974.74    |
| Fire Hydrants                | 9,690.53     |
|                              | <hr/>        |
|                              | \$220,837.14 |

DEPRECIATION SCHEDULE \$7,268,805.92.

This schedule shows in detail the depreciation accrued during the year on plant, \$481,026.36, based on unit rates set up by the Chief Accountant. There is also shown the amount of depreciation on each individual group at the beginning of the year. The total reserve at December 31, 1936 on plant and equipment is \$7,268,805.92 and the net depreciated cost of plant is \$38,648,851.96.

CASH, \$154,295.99.

This amount is in the hands of the City Treasurer in the General City Funds, with the exception of trust funds contained therein in amount of \$6,563.98.



CONSUMERS' ACCOUNTS RECEIVABLE, \$708,256.78.

NO. JERSEY DIST. WATER SUPPLY COMMISSION ACCOUNTS RECEIVABLE, \$265,343.60.

This amount represents open accounts owing and collectable from consumers, representing verified balances on the records in the Bureau, with the exception of water and service arrears in the hands of the City Comptroller in amount of \$48,895.13, which amount is certified by Puder & Puder.

|                            |                 |
|----------------------------|-----------------|
| Sinking Fund               | \$ 3,123,496.21 |
| Funded Debt                | 21,581,000.00   |
| Interest on Bonds for Year | 952,623.94      |

The investments are held and controlled by the Sinking Fund Commission and are verified with City Auditor Records. Opposite the several amounts in sinking fund is set the amount of bonds outstanding, arranged in order of maturity.

The funded debt was increased during 1936 by \$9,000.00 - Bonds issued - \$499,000.00 - Serial Bonds paid, \$490,000.00.

The interest on funded debt during year was net, \$952,623.94, being a decrease of \$12,990.84 over previous year. Detail is also shown of interest accrued and not due at December 31st, in amount of \$259,053.75.

TRUST FUNDS, \$6,563.98.

OPERATING REVENUE, \$2,588,065.18.

This schedule shows the volume of water delivered during the year, also water sold direct from Manaque Reservoir to other municipalities in amount of \$141,619.38. The operating revenue shows an increase of \$132,099.39.

During the past year there was no let up in the activities of the Bureau with regard to service and construction work.

The following tabulation of metered and unmetered service should be noted by all users of city water:



|                                               | Revenue<br>Obtained | Water Consumed      | Percentage<br>of Revenue |
|-----------------------------------------------|---------------------|---------------------|--------------------------|
| Metered                                       | 2,123,167.28        | 14,272. Mill. Gals. | 82.4                     |
| Unmetered                                     | 37,397.20           | 243. " "            | 1.5                      |
| Other Systems                                 | 245,141.39          | 3,611. " "          | 9.5                      |
| Wanaque water sold direct<br>to other Systems | 141,619.38          | (Unknown)           | 5.5                      |
| Municipal, Miscellaneous                      | 29,799.57           | 623.                | 1.1                      |

#### METERED PROPERTIES

|                                      | Cubic Feet    | Million Gallons |
|--------------------------------------|---------------|-----------------|
| Domestic -                           |               |                 |
| One and two-family dwellings         | 427,917,500.  |                 |
| Over two-family dwellings            | 504,009,500.  |                 |
| Non-Domestic, Industrial -           |               |                 |
| Mills, factories, railroads          | 701,551,299.  |                 |
| Commercial -                         |               | 14,421.150      |
| Stores, stables, office buildings    | 254,322,500   |                 |
| Semi-Public Buildings -              |               |                 |
| Hospitals, private schools, churches | 40,031,500.   |                 |
| Services to Other Systems            | 482,752,377.  | 3,611.229       |
| Municipal Water Service              | 59,312,000.   | 443.683         |
|                                      |               |                 |
| Total                                | 2,469,896,676 | 18,476.062      |

#### Unmetered -

|                                                               |             |           |
|---------------------------------------------------------------|-------------|-----------|
| Private dwellings, building work<br>street flushing, etc.     | 37,179,600  | 278.122   |
| Fire extinguishers, loss from burst<br>street mains and leaks | 326,253,459 | 2,440.539 |

The proportion of unmetered consumption chargeable against private dwellings has been estimated.

#### ACCOUNTING SYSTEM.

The accounting system presents a complete financial statement showing operating revenue, expenditure, yearly income and the surplus or deficit for that time.



### CLAIMS

There were 1184 claims for allowance filed with the Adjustment Committee on metered properties, on which adjustments amounting to \$6,236.62 were allowed. This represents a decrease of 147 in number of claims filed.

The Bureau rule, which requires a "licensed plumber's repair statement" presented to the Adjustment Committee before consideration of any claim on large water bill, is still effective.

Owners think a large water bill is sufficient warrant for an adjustment, but the requirement of plumber's statement of the work that was performed lessens the number of claims.

Ice machines and electric ice-boxes, when valves are not properly serviced by the sellers or agents, are productive of large water bills. Many cases of this kind show a continuous stream of water flowing to the sewer. The meter tells the tale - the owner or landlord is paying the ice bills along with normal water bills.

Respectfully,

Chief Accountant.



## DEPARTMENT OF PUBLIC AFFAIRS

## DIVISION OF ACCOUNTS - WATER

December 31, 1936

## BALANCE SHEET

## ASSETS

CAPITAL ASSETS

Cost of properties including land,  
buildings, equipment, etc., less  
depreciation at January 1, 1936  
Net additions during the year less  
net depreciation for year

\$39,099,300.33

450,448.37

\$38,648,851.96

MATERIAL AND SUPPLIES

142,797.75

CURRENT ASSETS

## Accounts Receivable -

No. Jersey Dist. W. S. Comm.

265,343.60

Meter Rates Uncollected

560,255.74

Unmetered Rates Uncollected

7,011.28

Municipal Uncollected

7,297.73

Tapping Mains Uncollected

84,004.89

Builders Uncollected

430.76

Water &amp; Service Arrears

48,642.84

(Comptroller)

Miscellaneous

361.25

708,004.49

Less Reserve for

"Deductions" &amp;

Doubtful Accounts

209,537.50

498,466.99

Revenue Cash

270,131.63

493,678.96

SPECIAL FUNDS

Capital Cash

417,715.45

Watershed Extension Fund, Cash

148.19

Trust Funds, Cash

6,563.98

424,427.62

DEFERRED CHARGES TO OPERATIONS

4,220.59

SINKING FUND

Sinking Fund - Regular

3,045,118.91

Sinking Fund - Excess Payments

78,377.303,123,496.21

\$42,837,473.09



DEPARTMENT OF PUBLIC AFFAIRS  
DIVISION OF ACCOUNTS - WATER  
December 31st, 1936  
BALANCE SHEET  
LIABILITIES

CAPITAL LIABILITIES

Bonded Indebtedness

21,581,000.00

CURRENT LIABILITIES

Consumers' Deposits

6,563.98

Sundry Creditors - Revenue

31,459.47

Sundry Creditors - Capital

248.00

Unpaid Accrued Wages - Revenue

9,116.01

Unpaid Accrued Wages - Capital

738.20

Interest Accrued on Bonds

243,233.57

291,359.23

REVENUE APPLICABLE TO 1937 PERIOD

3,413.55

SINKING FUND RESERVE

Sinking Fund - Regular

3,045,118.91

Sinking Fund - Excess Payments

78,377.30

3,123,496.21

CONSTRUCTION OF MAINS RESERVE

416,729.25

WATERSHED EXTENSION RESERVE

148.19

CAPITAL SURPLUS

Balance at January 1, 1936 (New Set-Up)

17,527,573.52

ADD

Premium on Bonds

1,000.00

\* To agree with State Auditor

43,410.50

Less set-up in Reserve

148.19

43,262.31

17,571,835.83

SUBTRACT

Bond Issue

500,000.00

Sinking Fund

& Serial

Bond Pay-

ments

Amortization 481,026.36

545,431.70

Misc. Equip-

ment Re-

serve

12,957.51 493,983.87

51,447.83

Sinking Fund Payments

55,431.70

3,983.87

503,983.87

17,067,851.96

REVENUE SURPLUS

Balance at January 1, 1936 (New Set-Up)

367,846.88

ADD

Adjustment Interest Accrued

16,232.70

Bond Issue

500,000.00

Net Surplus from operations during year,

as per attached exhibit

8,561.46

892,641.04

SUBTRACT

To agree with State Auditor

43,410.50

Less Construction of Mains Reserve

416,729.25

Less Additional Reserve - Accounts

Receivable

79,026.59

539,166.34

353,474.70

42,837,473.09

Increase in Fixed Capital

224,595.19

Less Reduction of Fixed Capital -

No. Jersey Dist. Water Supply Comm.

181,184.69

43,410.50



DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

STATEMENT OF EARNINGS AND EXPENDITURES

For the year ending December 31, 1936.

|                                                                             |                   |                   |                     |
|-----------------------------------------------------------------------------|-------------------|-------------------|---------------------|
| Net Sales of Water                                                          |                   | 2,435,505.44      |                     |
| North Jersey Dist. Water Supply Comm.                                       |                   | <u>141,619.38</u> | 2,577,124.82        |
| Miscellaneous Operating Revenue                                             |                   |                   | <u>1,748.28</u>     |
| Total Operating Revenue                                                     |                   |                   | 2,578,873.10        |
| <u>DEDUCT</u>                                                               |                   |                   |                     |
| Water Collecting Expenses                                                   |                   | 214,354.77        |                     |
| Purification System Expenses                                                |                   | 25,137.15         |                     |
| Distribution System Expenses                                                |                   | 385,453.48        |                     |
| Commercial & New Business Expenses                                          |                   | 172,038.82        |                     |
| General & Miscellaneous Expenses                                            | 299,036.04        |                   |                     |
| Amortization - Paid into Sinking Fund                                       | <u>481,026.36</u> | <u>780,062.40</u> | <u>1,577,046.62</u> |
|                                                                             |                   |                   | 1,001,826.48        |
| <u>ADD</u>                                                                  |                   |                   |                     |
| Miscellaneous Rents, Interest and Non-Operating Revenue                     |                   |                   | <u>9,192.08</u>     |
| Gross Corporate Income                                                      |                   |                   | 1,011,018.56        |
| <u>DEDUCT</u>                                                               |                   |                   |                     |
| Interest on Funded Debt                                                     |                   |                   | <u>951,009.27</u>   |
|                                                                             |                   |                   | 60,009.29           |
| <u>DEDUCT</u>                                                               |                   |                   |                     |
| Regular Sinking Fund Payments                                               | 55,431.70         |                   |                     |
| Serial Bond Payments                                                        | <u>490,000.00</u> | 545,431.70        |                     |
| Less Amount Provided by Amortization under General & Miscellaneous Expenses | 481,026.36        |                   |                     |
| Miscellaneous Equipment Reserve Under Various Expense Accounts              | <u>12,957.51</u>  | <u>493,983.87</u> | <u>51,447.83</u>    |
| To REVENUE SURPLUS year ending December 31, 1936                            |                   |                   | 8,561.46            |



## DEPARTMENT OF PUBLIC AFFAIRS

## DIVISION OF ACCOUNTS - WATER

## BALANCE SHEET

December 31, 1936

## PUBLIC UTILITY FORM

## ASSETS.

|                                               |              | Balance at<br>Close of<br>Year | Net Change<br>During<br>Year |
|-----------------------------------------------|--------------|--------------------------------|------------------------------|
| Fixed Capital, December 31, 1936              |              | 45,917,657.88                  | 23,236.63                    |
| Materials and Supplies                        |              | 142,797.75                     | 8,968.56                     |
| <u>CASH</u>                                   |              |                                |                              |
| Capital Funds                                 | 421,004.30   |                                |                              |
| Revenue Funds                                 | 273,420.48   |                                |                              |
| Trust Funds                                   | 6,563.98     |                                |                              |
| Watershed Extension Fund                      | 148.19       | 154,295.99                     | 73,696.38                    |
| North Jersey Dist. Water<br>Supply Commission | 265,343.60   |                                |                              |
| Consumers' Accounts Receivable                | 708,256.78   | 973,600.38                     | 46,788.37                    |
| Prepayments (Fire Insurance)                  |              | 4,220.59                       | 1,315.20                     |
| Sinking Funds (Regular)                       | 3,045,118.91 |                                |                              |
| Sinking Funds (Excess Payments)               | 78,377.30    | 3,123,496.21                   | 159,428.66                   |
|                                               |              | <u>\$50,316,068.80</u>         | <u>\$295,496.68</u>          |

## LIABILITIES.

|                                      |                        |                     |
|--------------------------------------|------------------------|---------------------|
| Funded Debt                          | 21,581,000.00          | 9,000.00            |
| Consumers' Deposits                  | 6,563.98               | 618.32              |
| Other Accounts Payable               | 31,656.61              | 552,766.24          |
| Unearned Revenue (1937 Period)       | 3,413.55               | 369.89              |
| Interest Accrued                     | 259,053.75             | 4,892.31            |
| Other Accrued Liabilities            | 9,854.21               | 2,697.55            |
| Amortization (or Retirement) Reserve | 7,268,805.92           | 473,685.00          |
| Miscellaneous Reserves               | 3,671,136.85           | 603,302.89          |
| Corporate Surplus                    | 17,484,583.93          | 235,281.78          |
|                                      | <u>\$50,316,068.80</u> | <u>\$295,496.68</u> |



DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment Depreciation Schedule

December 31, 1936

|     | Title of Account                                           | Accrued to<br>Jan. 1, 1936 | Accrued dur-<br>ing 1936 | Total ac-<br>crued to<br>Dec. 31, 1936 |
|-----|------------------------------------------------------------|----------------------------|--------------------------|----------------------------------------|
| 112 | <u>RESERVATION STRUCTURES</u>                              |                            |                          |                                        |
|     | Macopin Village                                            | 30,227.40                  | 1,597.07                 | 31,824.47                              |
|     | Superintendent's House, Watershed                          | 302.81                     | 302.81                   | 605.62                                 |
|     | Concrete Benches, Watershed                                | 21.51                      | 21.51                    | 43.02                                  |
|     | Garage, Watershed                                          | 193.78                     | 19.86                    | 213.64                                 |
| 104 | <u>WATER DIVERSION RIGHTS</u>                              |                            |                          |                                        |
| 113 | <u>IMPOUNDING RESERVOIRS</u>                               |                            |                          |                                        |
|     | Cost of Watershed, except<br>Pipe Line                     | 350,000.00                 | 25,000.00                | 375,000.00                             |
|     | Manaque Reservoir                                          | 270,000.00                 | 135,000.00               | 405,000.00                             |
| 115 | <u>WELLS &amp; SALLS</u>                                   |                            |                          |                                        |
|     | Driven Wells, Belleville                                   | 22,274.21                  |                          | 22,274.21                              |
|     | Caisson Wells, Belleville                                  | 2,452.80                   |                          | 2,452.80                               |
|     | Drilled Wells, Belleville                                  | 36,164.18                  |                          | 36,164.18                              |
| 116 | <u>INTAKES &amp; SUPPLY MAINS</u>                          |                            |                          |                                        |
|     | Cost of Watershed Pipe Line<br>(M. R. Sherrerd's Estimate) | 700,000.00                 | 50,000.00                | 750,000.00                             |
|     | Butler Connections                                         | 1,268.95                   | 79.31                    | 1,348.26                               |
|     | 48" Pipe Line, Gate House,<br>Pequannock                   | 132,754.71                 |                          | 132,754.71                             |
| 124 | <u>CHEMICAL TREATMENT PLANT</u>                            |                            |                          |                                        |
|     | Chlorine Feeding Apparatus                                 | 9,690.90                   |                          | 9,690.90                               |
|     | Chlorine Building, Macopin                                 | 330.29                     | 189.91                   | 520.20                                 |
| 127 | <u>PUMPING STATION STRUCTURES</u>                          |                            |                          |                                        |
|     | Belleville Chimney                                         | 10,056.25                  |                          | 10,056.25                              |
|     | Belleville Riverwall & Dock                                | 266,110.99                 |                          | 266,110.99                             |
| 135 | <u>STORAGE RESERVOIRS, TANKS &amp;<br/>STANDPIPES</u>      |                            |                          |                                        |
|     | Belleville Keeper's House                                  | 3,772.75                   | 106.78                   | 3,879.53                               |
|     | Belleville Receiving Reservoir                             | 117,850.45                 | 4,512.18                 | 122,362.63                             |
|     | Belleville Fence                                           | 1,620.08                   | 255.01                   | 1,875.09                               |
|     | Belleville Res. Appurtenances                              | 6,089.55                   | 1,054.90                 | 7,144.45                               |
|     | So. Orange Av. H.P. Reservoir                              | 78,754.85                  | 2,867.83                 | 81,622.68                              |
|     | Keeper's House - So. 9th St.                               | 1,639.03                   | 166.61                   | 1,805.64                               |
|     | Cedar Grove Reservoir Fence                                | 13,820.90                  | 135.00                   | 13,955.90                              |
|     | Keeper's House, Laboratory & Road                          | 2,616.59                   | 58.49                    | 2,675.08                               |
|     | Cedar Grove Water System                                   | 692.79                     |                          | 692.79                                 |
|     | Cedar Grove Garage                                         | 266.82                     | 24.80                    | 291.62                                 |



## DEPARTMENT OF PUBLIC AFFAIRS

## DIVISION OF ACCOUNTS - WATER

Plant and Equipment Depreciation Schedule

December 31, 1936

| Title of Account |                                                | Accrued to<br>Jan. 1, 1936 | Accrued dur-<br>ing 1936 | Total ac-<br>crued to<br>Dec. 31, 1936 |
|------------------|------------------------------------------------|----------------------------|--------------------------|----------------------------------------|
| 136              | <u>DISTRIBUTION MAINS &amp; ACCESSORIES</u>    |                            |                          |                                        |
|                  | High Pressure System                           | 178,735.29                 | 11,242.51                | 189,977.80                             |
|                  | L.P. Distribution Mains General                | 3,368,105.96               | 177,994.98               | 3,540,392.32                           |
|                  |                                                |                            | 5,308.62                 |                                        |
|                  | Pitometer Boxes                                | 66,673.66                  | 8,479.07                 | 75,152.73                              |
|                  | 60" Steel Pipe Line                            | 436,907.57                 | 16,454.71                | 453,362.28                             |
|                  | 36" Cast Iron Pipe Line                        | 56,300.00                  | 2,150.00                 | 58,450.00                              |
|                  | 60" Steel Supply Main #1                       | 64,674.49                  | 9,308.56                 | 73,983.05                              |
|                  | 60" Steel Supply Main #2 (Elizabeth)           | 104,759.33                 | 21,826.77                | 126,586.10                             |
| 139              | <u>FIRE HYDRANTS &amp; FIRE CISTERNS</u>       |                            |                          |                                        |
|                  | High Pressure Hydrants                         | 17,761.34                  | 1,113.58                 | 18,874.92                              |
|                  | Low Pressure Hydrants                          | 112,974.08                 | 8,052.94                 | 121,027.02                             |
| 141              | <u>GENERAL STRUCTURES</u>                      |                            |                          |                                        |
|                  | Pequannock Gate House Bldg.,<br>5th & 6th Sts. | 9,696.09                   | 569.19                   | 10,265.28                              |
|                  | Eighth St. Stable                              | 16,065.13                  | 760.31                   | 16,825.44                              |
|                  | New Meter Testing Station                      | 17,575.81                  | 973.26                   | 18,549.07                              |
|                  | Improvements, Wilson Ave.                      | 2,430.59                   | 294.64                   | 2,725.23                               |
|                  | Cedar Grove Laboratory                         | 6,459.10                   | 813.77                   | 7,272.87                               |
|                  |                                                | 6,518,091.03               | 481,026.36               | 6,993,808.77                           |
|                  |                                                |                            | 5,308.62                 |                                        |
|                  | <u>MISCELLANEOUS EQUIPMENT</u>                 |                            |                          |                                        |
| 142A             | General Office Equipment                       | 41,769.44                  | 3,428.48                 | 44,909.67                              |
|                  |                                                |                            | 308.25                   |                                        |
| 142B             | General Shop Equipment                         | 87,204.07                  | 3,762.66                 | 89,628.57                              |
|                  |                                                |                            | 1,338.16                 |                                        |
| 142D             | Transportation Equipment (Stable)              | 1,277.80                   | 165.90                   | 1,443.70                               |
| 142D             | Transportation Equipment (Garage)              | 139,251.98                 | 4,866.00                 | 130,880.14                             |
|                  |                                                |                            | 13,237.84                |                                        |
| 142E             | Miscellaneous Equipment (Laboratory)           | 7,526.60                   | 714.47                   | 8,135.07                               |
|                  |                                                |                            | 106.00                   |                                        |
|                  |                                                | 277,029.89                 | 12,957.51                | 274,997.15                             |
|                  |                                                |                            | 14,990.25                |                                        |
|                  |                                                | 6,795,120.92               | 493,983.87               | 7,268,805.92                           |
|                  |                                                |                            | 20,298.87                |                                        |



DEPARTMENT OF PUBLIC AFFAIRS  
DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1936

| P.U.<br>a/c | Title of<br>Account                       | Balance at<br>beginning of<br>year 1936 | Additions<br>during<br>1936 | Deductions<br>during<br>1936 | Balance<br>December<br>31, 1936 |
|-------------|-------------------------------------------|-----------------------------------------|-----------------------------|------------------------------|---------------------------------|
| 104         | <u>WATER DIVERSION RIGHTS</u>             | 1,500.00                                |                             |                              | 1,500.00                        |
| 105         | <u>RESERVATION LAND</u>                   |                                         |                             |                              |                                 |
|             | Watershed Extension Fund                  | 2,489,017.95                            | 125.00                      |                              | 2,489,142.95                    |
|             | New Storage Reservoir                     | 124,527.97                              |                             |                              | 124,527.97                      |
|             | Exchange for Water                        | 116,280.00                              |                             |                              | 116,280.00                      |
|             | Bureau of Water Revenue                   | 59,851.00                               |                             |                              | 59,851.00                       |
|             | Severance on Land                         | 18,051.66                               |                             |                              | 18,051.66                       |
| 106         | <u>OTHER SOURCES OF SUPPLY LAND</u>       |                                         |                             |                              |                                 |
|             | Driven Wells, Belleville                  | 1,693.92                                |                             |                              | 1,693.92                        |
| 108         | <u>PUMPING SYSTEM LAND</u>                |                                         |                             |                              |                                 |
|             | Pump House, Belleville                    | 11,853.64                               |                             |                              | 11,853.64                       |
| 109         | <u>STORAGE RESERVOIR LAND</u>             |                                         |                             |                              |                                 |
|             | Belleville Reservoir                      | 1.00                                    |                             |                              | 1.00                            |
|             | Surrounding Belleville Reservoir          | 12,000.00                               |                             |                              | 12,000.00                       |
|             | Ferris Property, Belleville               | 14,175.00                               |                             |                              | 14,175.00                       |
|             | Surrounding So. Orange Ave.               |                                         |                             |                              |                                 |
|             | High Pressure Reservoir                   | 1.00                                    |                             |                              | 1.00                            |
| 110         | <u>OTHER DISTRIBUTION SYSTEM LAND</u>     |                                         |                             |                              |                                 |
|             | Right of Way - Slingerland and DeBow      | 1,200.00                                |                             |                              | 1,200.00                        |
|             | Right of Way-Belleville #1                | 450.00                                  |                             |                              | 450.00                          |
|             | Right of Way-Belleville #2                | 728.35                                  |                             |                              | 728.35                          |
|             | Improvements along Pipe Line at Montclair | 2,767.00                                |                             |                              | 2,767.00                        |
|             | Strip, Central Ave. and Becker St.        | 1.00                                    |                             |                              | 1.00                            |
| 112         | <u>RESERVATION STRUCTURES</u>             |                                         |                             |                              |                                 |
|             | Macopin Village                           | 79,853.70                               | 881.44                      |                              | 80,735.14                       |
|             | Superintendent's House, Watershed         | 16,824.12                               | 20.22                       |                              | 16,844.34                       |
|             | Forester's House, Watershed               |                                         | 4,562.63                    |                              | 4,562.63                        |
|             | Ocean Park Road                           | 21,447.18                               |                             |                              | 21,447.18                       |
|             | Forestry                                  | 15,196.28                               | 516.00                      |                              | 15,712.28                       |
|             | Concrete Penones, Watershed               | 215.09                                  |                             |                              | 215.09                          |
|             | Garage - Watershed                        | 993.15                                  |                             |                              | 993.15                          |



## DEPARTMENT OF PUBLIC AFFAIRS

## DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1936

| P.S.<br>a/c | Title of<br>Account               | Balance at<br>beginning of<br>year 1936 | Additions<br>during<br>1936 | Deductions<br>during<br>1936 | Balance<br>December<br>31, 1936 |
|-------------|-----------------------------------|-----------------------------------------|-----------------------------|------------------------------|---------------------------------|
| 104         | <u>WATER DIVERSION RIGHTS</u>     |                                         |                             |                              |                                 |
| 113         | <u>EXPENDING RESERVOIRS</u>       |                                         |                             |                              |                                 |
|             | Cost of Watershed, except         |                                         |                             |                              |                                 |
|             | Pipe Line                         | 3,521,710.34                            |                             |                              | 3,521,710.34                    |
|             | Searches                          | 2,738.00                                |                             |                              | 2,738.00                        |
|             | Possibilities accruing            |                                         |                             |                              |                                 |
|             | from Watershed                    | 5,780,431.33                            |                             |                              | 5,780,431.33                    |
| 113         | Echo Lake Dam                     | 339,834.21                              |                             |                              | 339,834.21                      |
|             | Raising Dam, Oak Ridge            | 671,733.89                              |                             |                              | 671,733.89                      |
|             | Auxiliary Dam, Charlotte-         |                                         |                             |                              |                                 |
|             | burg, etc.                        | 18,302.10                               |                             |                              | 18,302.10                       |
|             | New Charlotteburg Dam             | 22,372.53                               |                             |                              | 22,372.53                       |
|             | Raising Overflow, Clinton         |                                         |                             |                              |                                 |
|             | Reservoir                         | 7,072.28                                |                             |                              | 7,072.28                        |
|             | Canistota Channel                 | 8,068.88                                |                             |                              | 8,068.88                        |
|             | Sassone Reservoir                 | 14,509.617.28                           |                             | 181,184.69                   | 14,328,432.59                   |
|             | Preliminary Cost of               |                                         |                             |                              |                                 |
|             | Furnishing Added Water            |                                         |                             |                              |                                 |
|             | Supply                            | 15,378.00                               |                             |                              | 15,378.00                       |
| 115         | <u>SPRINGS &amp; WELLS</u>        |                                         |                             |                              |                                 |
|             | Driven Wells, Belleville          | 22,275.21                               |                             |                              | 22,275.21                       |
|             | Caisson Wells, Belleville         | 2,453.80                                |                             |                              | 2,453.80                        |
|             | Drilled Wells, Belleville         | 36,165.18                               |                             |                              | 36,165.18                       |
| 118         | <u>INTAKE AND SUPPLY MAINS</u>    |                                         |                             |                              |                                 |
|             | Cost of Watershed Pipe            |                                         |                             |                              |                                 |
|             | Line (M. R. Sherrerd's            |                                         |                             |                              |                                 |
|             | Estimate)                         | 2,559,191.45                            | 89,024.89                   |                              | 2,648,216.34                    |
|             | Butler Connections                | 3,965.48                                |                             |                              | 3,965.48                        |
|             | 48" Pipe Line - Gate              |                                         |                             |                              |                                 |
|             | House, Pequannock                 | 132,755.71                              |                             |                              | 132,755.71                      |
| 119         | <u>SETTLING BASINS</u>            |                                         |                             |                              |                                 |
|             | Settling Basins, Belleville       | 1.00                                    |                             |                              | 1.00                            |
| 124         | <u>CHEMICAL TREATMENT PLANT</u>   |                                         |                             |                              |                                 |
|             | Chlorine Feeding Apparatus        | 9,691.90                                |                             |                              | 9,691.90                        |
|             | Chlorine Building, Macopin        | 9,495.25                                |                             |                              | 9,495.25                        |
| 127         | <u>PUMPING STATION STRUCTURES</u> |                                         |                             |                              |                                 |
|             | Belleville Chimney                | 10,057.25                               |                             |                              | 10,057.25                       |
|             | Belleville Riverwall &            |                                         |                             |                              |                                 |
|             | Dock                              | 266,111.99                              |                             |                              | 266,111.99                      |



DEPARTMENT OF PUBLIC AFFAIRS  
DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1936

| P.O.<br>a/c | Title of<br>Account                                     | Balance at<br>beginning of<br>year 1936 | Additions<br>during<br>1936 | Deductions<br>during<br>1936 | Balance<br>December<br>31, 1936 |
|-------------|---------------------------------------------------------|-----------------------------------------|-----------------------------|------------------------------|---------------------------------|
| 135         | <u>STORAGE RESERVOIRS, TANKS &amp;<br/>STAND PIPES</u>  |                                         |                             |                              |                                 |
|             | Belleville Keeper's House                               | 5,338.85                                |                             |                              | 5,338.85                        |
|             | Belleville Receiving Resv.                              | 149,435.73                              |                             |                              | 149,435.73                      |
|             | Belleville Fence                                        | 2,550.09                                |                             |                              | 2,550.09                        |
|             | Belleville Res.Appurtenances                            | 10,548.99                               |                             |                              | 10,548.99                       |
|             | No. Orange Av. S.F. Reservoir                           | 98,829.62                               |                             |                              | 98,829.62                       |
|             | Keeper's House - 9th St.                                | 8,330.55                                | 889.70                      |                              | 9,220.25                        |
|             | Cedar Grove Reservoir                                   | 1,186,684.94                            |                             |                              | 1,186,684.94                    |
|             | Cedar Grove Fence                                       | 13,956.90                               |                             |                              | 13,956.90                       |
|             | Keeper's House, Laboratory<br>and Road                  | 2,924.32                                |                             |                              | 2,924.32                        |
|             | Cedar Grove Water System                                | 692.79                                  |                             |                              | 692.79                          |
|             | Cedar Grove Garage                                      | 1,240.07                                |                             |                              | 1,240.07                        |
| 136         | <u>DISTRIBUTION MAINS &amp; ACCESS-<br/>ORIES</u>       |                                         |                             |                              |                                 |
|             | High Pressure System                                    | 1,124,251.08                            | 18,297.21                   |                              | 1,142,548.29                    |
|             | L.P. Distribution Mains<br>General                      | 8,826,861.29                            | 96,582.76                   | 5,308.62                     | 8,918,135.43                    |
|             | Pitometer Boxes                                         | 84,790.67                               | 391.98                      |                              | 85,182.65                       |
|             | 60" Steel Pipe Line                                     | 585,000.00                              |                             |                              | 585,000.00                      |
|             | 36" Cast Iron Pipe Line                                 | 215,000.00                              |                             |                              | 215,000.00                      |
|             | 60" Steel Supply Main #1                                | 465,427.78                              |                             |                              | 465,427.78                      |
|             | 60" Steel Supply Main #2                                | 1,091,338.64                            |                             |                              | 1,091,338.64                    |
| 139         | <u>FIRE HYDRANTS &amp; FIRE CISTERNS</u>                |                                         |                             |                              |                                 |
|             | High Pressure Hydrants                                  | 111,357.53                              | 3,545.57                    |                              | 114,903.10                      |
|             | Low Pressure Hydrants                                   | 402,646.91                              | 6,144.96                    |                              | 408,791.87                      |
| 141         | <u>GENERAL STRUCTURES</u>                               |                                         |                             |                              |                                 |
|             | Land, West Side of Bloom-<br>field Av. & No. 6th St.    | 2,300.00                                |                             |                              | 2,300.00                        |
|             | Pequannock Gate House Bldg.,<br>5th & 6th Sts.          | 28,459.42                               |                             |                              | 28,459.42                       |
|             | 8th St. Stable                                          | 38,015.74                               |                             |                              | 38,015.74                       |
|             | Land between So. 8 & 9 Sts.                             | 2,000.00                                |                             |                              | 2,000.00                        |
|             | Land for Stable & Pipe Yard,<br>So. 8th St. & 14th Ave. | 11,000.00                               |                             |                              | 11,000.00                       |
|             | Land - West Side Summer Av.                             | 4,000.00                                |                             |                              | 4,000.00                        |
|             | New Meter Testing Station                               | 48,662.93                               |                             |                              | 48,662.93                       |
|             | Land - Wilson Ave.                                      | 20,565.00                               |                             |                              | 20,565.00                       |
|             | Land - Stockton St.                                     | 750.00                                  |                             |                              | 750.00                          |
|             | Improvements - Wilson Av.                               | 14,732.10                               |                             |                              | 14,732.10                       |
|             | Franklin St.                                            | 14,500.00                               |                             |                              | 14,500.00                       |
|             | Cedar Grove Laboratory                                  | 40,688.70                               |                             |                              | 40,688.70                       |



## DEPARTMENT OF PUBLIC AFFAIRS

## DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1936

| P.O.<br>a/c | Title of<br>account                        | Balance at<br>beginning of<br>year 1936 | Additions<br>during<br>1936 | Deductions<br>during<br>1936 | Balance<br>December<br>31, 1936 |
|-------------|--------------------------------------------|-----------------------------------------|-----------------------------|------------------------------|---------------------------------|
| 142         | <u>MISCELLANEOUS EQUIPMENT</u>             |                                         |                             |                              |                                 |
|             | A General Office Equipment                 | 53,942.15                               | 1,806.74                    | 331.75                       | 55,417.14                       |
|             | B General Shop Equipment                   | 102,885.72                              | 1,947.19                    | 1,389.26                     | 103,443.65                      |
|             | D Transportation Equip-<br>ment, Stable    | 2,196.50                                |                             |                              | 2,196.50                        |
|             | E Transportation Equip-<br>ment, Garage    | 154,687.98                              |                             | 13,237.84                    | 141,450.14                      |
|             | F Miscellaneous Equip-<br>ment, Laboratory | 9,746.19                                | 59.50                       | 107.00                       | 9,698.69                        |
| 143         | <u>OTHER TANGIBLE WATER CAPITAL</u>        |                                         |                             |                              |                                 |
|             | Engineers' Maps & Records                  | 20,000.00                               |                             |                              | 20,000.00                       |
|             |                                            | <u>\$45,894,421.25</u>                  | <u>\$224,795.79</u>         | <u>\$201,559.16</u>          | <u>\$45,917,657.88</u>          |



Newark, N. J., May 4, 1937

To the Director of Public Affairs.

Dear Sir:

I submit herewith report of receipts and disbursements for the year 1936:

RECEIPTS

|                                         |              |              |
|-----------------------------------------|--------------|--------------|
| Balance, January 1, 1936                |              | 73,144.12    |
| <u>OPERATING REVENUE</u>                |              |              |
| Vetered Service, Private                | 2,388,271.88 |              |
| Unmetered Service, Private              | 37,466.66    |              |
| Municipal Service                       | 24,728.63    |              |
| Miscellaneous Water Service             |              |              |
| Builders                                | 4,068.58     |              |
| Special                                 | 547.95       |              |
| Miscellaneous Operating Revenue         |              |              |
| Tapping 5/8" and 1" Mains               | 2,766.39     |              |
| Tapping Larger Mains, Meters, etc.      | 51,517.66    |              |
| Penalties                               | 11.00        |              |
| Comptroller                             | 1,977.86     |              |
| <u>NON-OPERATING REVENUE</u>            |              |              |
| Rent                                    | 3,744.00     |              |
| North Jersey Dist. Water Supply Comm. - |              |              |
| Monies returned on Capital              | 181,184.69   |              |
| Pay Roll - Coles and Sullivan           | 2,307.52     |              |
| Accrued Interest                        | 2,027.19     | 2,700,620.01 |
|                                         |              | <hr/>        |
|                                         |              | 2,773,764.13 |

DISBURSEMENTS

|                             |            |              |
|-----------------------------|------------|--------------|
| Pay Rolls, Weekly           | 440,045.60 |              |
| Capital                     | 23,611.71  | 416,433.89   |
| Pay Rolls, Semi-monthly     | 410,434.28 |              |
| Capital                     | 3,834.25   | 406,600.03   |
| Serial Bonds                |            | 490,000.00   |
| Sinking Fund                |            | 55,431.70    |
| Interest on Bonds           | 403,023.75 |              |
| Interest on Bonds (Wanamue) | 554,492.50 | 957,516.25   |
| Accounts Payable            | 330,899.65 |              |
| Capital                     | 47,747.26  | 283,152.39   |
| Diversión of Water - State  |            | 3,888.00     |
| Refunded to City            |            | 390,972.45   |
| Garage Expenses             | 46,992.38  |              |
| Capital                     | 3,802.48   | 43,189.90    |
|                             |            | <hr/>        |
|                             |            | 3,047,184.61 |

Balance, January 1, 1937

273,420.48



WATER-MAIN EXTENSION FUND

|                          |               |
|--------------------------|---------------|
| Balance, January 1, 1936 | 273.19        |
| Reservations             | <u>125.00</u> |
| Balance, January 1, 1937 | 148.19        |

TRUNK FUND

Receipts

|                          |                 |                  |
|--------------------------|-----------------|------------------|
| Balance, January 1, 1936 |                 | 7,182.30         |
| Duplicate Payments       | 2,470.05        |                  |
| Construction             | 9,800.00        |                  |
| Miscellaneous            | <u>2,477.75</u> | <u>14,747.80</u> |
|                          |                 | 21,930.10        |

Disbursements

|                          |              |                  |
|--------------------------|--------------|------------------|
| Duplicate Payments       | 2,478.37     |                  |
| Construction             | 10,400.00    |                  |
| Miscellaneous            | 2,477.75     |                  |
| Hydrant Reducers         | <u>10.00</u> | <u>15,366.12</u> |
| Balance, January 1, 1937 |              | 6,563.98         |



## DEPARTMENT OF PUBLIC AFFAIRS

## DIVISION OF ACCOUNTS - WATER

## RESERVES

AMORTIZATION RESERVE

|                                   |  |              |
|-----------------------------------|--|--------------|
| Balance at beginning of year 1936 |  | 6,795,120.92 |
|-----------------------------------|--|--------------|

ADD

|                                          |  |            |
|------------------------------------------|--|------------|
| Accrued during year per Chief Accountant |  | 481,026.36 |
| Reserve Miscellaneous Equipment          |  | 12,957.51  |

|               |  |                |
|---------------|--|----------------|
| Total Credits |  | \$7,289,104.79 |
|---------------|--|----------------|

DEDUCT

|                         |           |           |
|-------------------------|-----------|-----------|
| Relaying Mains          | 5,308.62  |           |
| Miscellaneous Equipment | 14,990.25 | 20,298.87 |

|                          |  |                 |
|--------------------------|--|-----------------|
| Balance at close of year |  | \$ 7,268,805.92 |
|--------------------------|--|-----------------|

CONTRACTUAL RESERVE SINKING FUND

|                                   |  |              |
|-----------------------------------|--|--------------|
| Balance at beginning of year 1936 |  | 2,964,067.55 |
|-----------------------------------|--|--------------|

ADD

|                               |  |            |
|-------------------------------|--|------------|
| Payments to December 31, 1936 |  | 55,431.70  |
| Earnings to December 31, 1936 |  | 103,996.96 |

|                          |  |                 |
|--------------------------|--|-----------------|
| Balance at close of year |  | \$ 3,123,496.21 |
|--------------------------|--|-----------------|

MISCELLANEOUS RESERVEFor

|                                   |  |           |
|-----------------------------------|--|-----------|
| Deductions of Prepaid Water Bills |  | 7,400.00  |
| Doubtful & Uncollectable Accounts |  | 96,112.12 |

|  |  |               |
|--|--|---------------|
|  |  | \$ 103,512.12 |
|--|--|---------------|

ADD

|                               |  |           |
|-------------------------------|--|-----------|
| Reserve for 1937 Deductions   |  | 8,200.00  |
| Reserve for Doubtful Accounts |  | 26,700.00 |

|               |  |               |
|---------------|--|---------------|
| Total Credits |  | \$ 138,412.12 |
|---------------|--|---------------|

DEDUCT

|                                   |          |          |
|-----------------------------------|----------|----------|
| Allowance on 1935 Bills (in 1936) | 7,400.00 |          |
| Doubtful Accounts                 | 248.92   | 7,648.92 |

|                          |  |               |
|--------------------------|--|---------------|
| Balance at close of year |  | \$ 130,763.20 |
|--------------------------|--|---------------|

|                                            |  |               |
|--------------------------------------------|--|---------------|
| CONSTRUCTION OF MAINS RESERVE (New Set-up) |  | \$ 416,731.97 |
|--------------------------------------------|--|---------------|

|                                          |  |           |
|------------------------------------------|--|-----------|
| WATERSHED EXTENSION RESERVE (New Set-up) |  | \$ 148.19 |
|------------------------------------------|--|-----------|



DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

COMPARATIVE INCOME ACCOUNT

December 31, 1936

| Item (or Account)                            | Amount Applicable<br>to the year | Comparison<br>preceding year               |
|----------------------------------------------|----------------------------------|--------------------------------------------|
|                                              | <u>Totals</u>                    | <u>Increase (Black)<br/>Decrease (Red)</u> |
| Water Operating Revenue                      | 2,578,873.10                     | 141,895.78                                 |
| Water Operating Revenue Deductions           | 1,576,995.76                     | 77,386.91                                  |
| Water Operating Income                       | 1,001,877.34                     | 64,508.87                                  |
| <u>Other Operating Income</u>                |                                  |                                            |
| Miscellaneous Rent Revenues 3,714.00         |                                  |                                            |
| Other Interest Revenues 264.46               |                                  |                                            |
| Other Non-Operating Revenues <u>5,213.62</u> |                                  |                                            |
| Total Miscellaneous Income                   | <u>9,192.08</u>                  | <u>4,814.12</u>                            |
| Gross Corporate Income                       | 1,011,069.42                     | 69,322.99                                  |
| <u>Deductions from Gross Income</u>          |                                  |                                            |
| Interest on Long Term Debt 950,596.75        |                                  |                                            |
| Miscellaneous Deductions <u>51,447.83</u>    |                                  |                                            |
| Total Deductions                             | <u>1,002,044.58</u>              | 14,939.78                                  |
| Net Surplus for year                         | 9,024.84                         | 54,262.77                                  |



DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

SCHEDULE OF WATER CONSUMPTION AND REVENUE

| Account                                              | No. of<br>con-<br>sumers<br>Dec. 31 | Maxi-<br>mum No.<br>during<br>year | No. of H.G.<br>delivered<br>to consumers<br>during year | Net Amount<br>Credited<br>to<br>Revenue | Average<br>Net Rev-<br>enue<br>per H.G. |
|------------------------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Metered Private Service                              | 53,235                              | 53,310                             | 14,272.290                                              | \$2,123,167.28                          | \$148.76                                |
| Unmetered Private Service<br>(in use)                | 825                                 | 845                                | 243.261 Est.                                            | 37,397.20                               | 153.73                                  |
| Unmetered Private Service<br>(not in use)            | 122                                 |                                    |                                                         |                                         |                                         |
| Service to Other Systems<br>(Water Supply)           | 18                                  | 18                                 | 3,611.229                                               | 245,141.39                              | 67.88                                   |
| Excess Water sold direct<br>to other systems         |                                     |                                    | (not known)                                             | 141,619.38                              |                                         |
| Municipal Water Service to<br>Other City Departments | 270                                 | 270                                | 593.120                                                 | 25,160.06                               | 42.42                                   |
| Miscellaneous Water Service                          |                                     |                                    | 30.179 Est.                                             | 4,639.51                                | 153.73                                  |
| Total Sales of Water                                 |                                     |                                    | 18,790.079                                              | \$2,577,124.82                          |                                         |
| <u>Miscellaneous Operating Revenues</u>              |                                     |                                    |                                                         |                                         |                                         |
| Wood, etc.                                           |                                     |                                    |                                                         | 1,649.13                                |                                         |
| Penalties, Fees                                      |                                     |                                    |                                                         | 99.15                                   |                                         |
| Total Operating Revenues                             |                                     |                                    |                                                         | \$2,578,873.10                          |                                         |



DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

OPERATING EXPENSES

1. Water Collecting Expenses

411 Collecting System Expenses

(a) Collecting System Superintendence

13,503.85

(b) Collecting System Labor -

|                                                              |           |
|--------------------------------------------------------------|-----------|
| #1 Ass. Keeper & Helper                                      | 4,135.57  |
| #2 Policing Watershed                                        | 14,408.72 |
| #3 Cutting Brush & Clearing Highway                          | .00       |
| #4 Carsteking Res. & Grounds                                 | 26,780.21 |
| #5 Tearing Down Buildings                                    | .00       |
| #6 Cutting Lumber                                            | 4,086.37  |
| #7 Making & Repairing Tools                                  | 24.00     |
| #8 Forestry                                                  | 2,798.24  |
| #9 Cleaning Toilets, Collecting & Disposing of Garbage, etc. | 5,137.73  |

57,370.84 70,874.69

412 Other Collecting System Expenses

17,934.50

413 Water Purchased

Tanacue  
State (Diversion)

109,586.95  
3,888.00 113,474.95

415 Collecting System Repairs

(a) Repairs of Reservations -

|                                       |          |
|---------------------------------------|----------|
| #1 Buildings                          | 5,269.10 |
| #2 Resurfacing Road                   | 432.81   |
| #3 Equipment                          | 19.64    |
| #5 Repairs to Motors or Parts Thereof | 5,349.08 |

11,070.63

(g) Repairs of Intakes and Supply Lines

1,000.00 12,070.63

Total Water Collecting Expenses

214,354.77

2. Purification System Expenses

421 Purification Expenses

(a) Purification Superintendence  
(b) Purification Labor

8,924.74  
7,250.27 16,175.01

422 Purification Supplies & Expenses

8,962.14

425 Purification System Repairs

(f) Repairs of Chemical Treatment Plant

.00

Total Purification System Expenses

25,137.14



DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

OPERATING EXPENSES

3. Distribution System Expenses

461 Water Storage & Distribution

|                                    |           |            |            |
|------------------------------------|-----------|------------|------------|
| (a) Distribution Superintendence   |           | 35,271.12  |            |
| (b) Storage Reservoir Labor        |           | 26,407.90  |            |
| (c) Other Distribution Labor -     |           |            |            |
| #1 Operating Transmission Lines    | 6,507.47  |            |            |
| #2 Operating Distribution System   | 66,974.66 |            |            |
| #3 Operating & Inspecting Services | 19,364.72 |            |            |
| #4 Inspecting Hydrants             | 919.64    |            |            |
| #5 Flushing of Water Mains         | 3,504.27  |            |            |
| #6 Reserve - Stand-by Duty         | 17,166.43 | 114,437.19 |            |
| (d) Other Distribution Expenses    |           | 18,299.62  | 194,415.83 |

462 Work on Consumers' Premises

|                                      |  |           |           |
|--------------------------------------|--|-----------|-----------|
| (a) Consumers' Meter Expenses        |  | 28,385.61 |           |
| (b) Consumers' Installation Expenses |  | 14,249.47 | 42,635.08 |

466 Repairs of Storage Reservoirs

24,618.99

467 Repairs of Mains & Accessories

|                                           |           |           |            |
|-------------------------------------------|-----------|-----------|------------|
| (a) Repairs of Transmission Mains         | 21,480.44 |           |            |
| (b) Repairs of Distribution Mains         | 27,507.20 | 48,987.64 |            |
| (c) Repairs of Consumers' Services        |           | 35,401.05 |            |
| (d) Repairs of Fire Hydrants and Cisterns |           | 20,885.05 |            |
| (e) Miscellaneous Distribution Repairs    |           | .00       | 105,273.74 |

468 Repairs of Consumers' Meters

18,510.24

Total Distribution System Expenses

385,453.48

4. Commercial & New Business Expenses

470 Commercial Expenses

|                                |  |           |            |
|--------------------------------|--|-----------|------------|
| (a) Commercial Office Salaries |  | 61,714.67 |            |
| (b) Meter Reading & Collecting |  | 94,878.22 |            |
| (c) Other Commercial Expenses  |  | 15,445.93 | 172,038.82 |

Total Commercial & New Business Expenses

172,038.82



DEPARTMENT OF PUBLIC AFFAIRS  
DIVISION OF ACCOUNTS - WATER

OPERATING EXPENSES

5. General & Miscellaneous Expenses

|     |                                               |                  |                   |
|-----|-----------------------------------------------|------------------|-------------------|
| 481 | <u>Salaries of General Officers</u>           |                  | 18,589.44         |
| 482 | <u>Other General Office Salaries</u>          |                  | 101,974.74        |
| 483 | <u>General Office Supplies &amp; Expenses</u> |                  | 14,553.38         |
| 484 | <u>Law Expenses</u>                           |                  | 4,154.02          |
| 485 | <u>Injuries and Damages</u>                   |                  | 16,256.42         |
| 486 | <u>Insurance</u>                              |                  | 3,878.32          |
| 487 | <u>Relief Department and Pensions</u>         |                  | 2,684.67          |
| 490 | <u>Store &amp; Transportation Expenses</u>    |                  |                   |
|     | (a) Store Expenses                            | 19,781.51        |                   |
|     | (b) Transportation Expenses                   | <u>19,779.63</u> | 39,561.14         |
| 493 | <u>Repairs of General Structures</u>          |                  | 5,962.69          |
| 494 | <u>General Amortization</u>                   |                  | <u>481,026.36</u> |

Total General & Miscellaneous Expenses 688,641.18

Total Operating Expenses \$1,485,625.40

495 Taxes 64,670.36

496 Uncollectable Water Bills 26,700.00

Total Revenue Deductions \$1,576,995.76



## MISCELLANEOUS DATA

### Pequannock

Municipally owned plant. The water supply portion embraces storage reservoirs on the Pequannock River in Morris, Passaic and Sussex Counties, with main conduits to the city. This portion of plant was constructed under legislative authority by contract made in 1889 with the East Jersey Water Company for \$6,000,000.00. This contract contained restrictions regarding the territory which could be supplied from the Pequannock plant, and under this contract the City of Newark can only supply the present and future limits of the City of Newark and the then existing Townships of Belleville, South Orange, East Orange and Clinton. The court has decided this contract contrary to Public Policy.

### Wanaque

Wanaque Supply is owned jointly by Newark and other municipalities, Newark's cost being \$14,328,432.59, entitling the city to 40,500,000 gallons of water a day. The Reservoir was begun in 1919 and finished March 20, 1930. Connection to Newark City Water Mains was made by the Division of Water Engineers July 5th, 1930.

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All hydrants for municipal use are free.

Regular meter rates changed in 1914, effective January 1, 1935, as follows:

Additional surcharge 15% from October 1, 1933.

Minimum rate, \$6.00 per annum or \$1.50 per quarter for 500 cubic feet. Above 500 cubic feet \$1.00 per thousand.



When bills are paid within thirty days from the first day of the quarter for which they are rendered, the following discounts on sums above the minimum charge of \$6.00 will be allowed: 2 per cent for each \$100. annual payment, 4 per cent for each \$200. and so on until \$2,000., or the maximum discount of forty per cent is attained.

High pressure and out-of-town rates - \$2.00 first 500 cubic feet - \$1.33  $\frac{1}{3}$  for each 1,000 cu. ft. additional.

Playground Commission, minimum \$1.50 - regular 45¢ per 1000 cu. ft.

Board of Education - minimum \$1.50 - regular 45¢ per 1000 cu. ft. - other schools, 60¢ per 1000 cu. ft.

Hospitals and benevolent institutions - 20¢ per 1000 cu. ft.

Town of Belleville - \$80.00 per 1,000,000 gals.

Large special sales to other municipalities - \$90.00 per 1,000,000 gallons.



**DEPARTMENT OF PUBLIC AFFAIRS  
DIVISION OF ACCOUNTS - WATER  
WATER PURCHASED OR SOLD**

|                                                             | No. of M.G.<br>delivered<br>to consum-<br>ers during<br>year | Average<br>price<br>per Mil-<br>lion<br>Gallons | Amount<br>Credited<br>to<br>Revenue | Amount<br>Charged<br>to<br>Expense |
|-------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------|-------------------------------------|------------------------------------|
| Town of Belleville                                          | 691.309                                                      | 80.00                                           | 55,304.73                           |                                    |
| Town of Bloomfield                                          | 1,311.865                                                    | 30.00                                           | 39,355.95                           |                                    |
| City of Elizabeth                                           | 1,504.950                                                    | 90.00                                           | 135,445.50                          |                                    |
| Elizabethtown Water Co.                                     | 16.505                                                       | 104.94                                          | 1,732.01                            |                                    |
| Commonwealth Water Co.<br>(Town of Irvington)               | 6.58                                                         | 194.53                                          | 128.00                              |                                    |
| Town of Montclair                                           | (Minimum - No Water)                                         |                                                 | 2,500.00                            |                                    |
| City of East Orange                                         | (Minimum - No Water)                                         |                                                 | 2,500.00                            |                                    |
| Wayne, N. J. - Packanack Lake<br>Development Co.            | 32.630                                                       | 103.50                                          | 3,377.20                            |                                    |
| Wayne Township - Dept. of Water                             | 13.568                                                       | 90.00                                           | 1,221.14                            |                                    |
| Cedar Grove (Overbrook) - Essex<br>Co. Board of Freeholders | 39.743                                                       | 90.00                                           | 3,576.86                            |                                    |
| Albert C. Middleton, State Treas.                           | 2,592.000                                                    | 1.50                                            |                                     | 3,888.00                           |
| No. Jersey Dist. Water Supp. Comm.                          | 7,507.2                                                      | 14.60                                           |                                     | 109,586.95                         |
|                                                             |                                                              |                                                 | \$245,141.39                        | \$113,474.95                       |

**TERRITORY SERVED DURING YEAR  
Permanent Population (Estimated)**

|                                                  |               |
|--------------------------------------------------|---------------|
| Newark                                           | 460,000 Est.  |
| Total Number of Taps - December 31, 1936         | 54,470        |
| Taps Metered                                     | 53,523        |
| Taps Unmetered                                   | 947           |
| Total Capacity of Storage Reservoirs (M.G.)      | 11,405        |
| Total Number of Storage Reservoirs               | 4             |
| Total Number of Distribution Reservoirs          | 3             |
| Total Capacity of Distribution Reservoirs (M.G.) | 701.7         |
| Number of Miles of Mains                         | 565 4290/5280 |
| Number of Fire Hydrants                          | 4,711         |

**MONTHLY OUTPUT (Million Gallons)**

|           | Pecannock | Wanaque |
|-----------|-----------|---------|
| January   | 1,089.5   | 606.8   |
| February  | 1,013.3   | 602.8   |
| March     | 1,199.0   | 570.2   |
| April     | 1,107.7   | 543.0   |
| May       | 1,140.0   | 644.0   |
| June      | 1,228.6   | 583.4   |
| July      | 1,278.8   | 665.9   |
| August    | 1,154.5   | 724.9   |
| September | 1,122.9   | 707.0   |
| October   | 1,086.0   | 641.9   |
| November  | 1,137.6   | 593.4   |
| December  | 1,130.2   | 623.9   |
|           | 13,688.1  | 7,507.2 |

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| Total Million Gallons of metered consumption during year            | 18,476.639 |
| Estimated flat rate consumption, &c (4.682) Motor Flushers & Brooms | 278.122    |
| Total million gallons used by respondent during year                | 18,754.761 |
| Million gallons lost or unaccounted for (11.51%)                    | 2,440.539  |
| Total million gallons delivered to mains during year                | 21,195.3   |



DEPARTMENT OF PUBLIC AFFAIRS  
DIVISION OF ACCOUNTS - WATER

DRAINAGE AREA

Total number of square miles, 63.7

Area of land owned for protection of supply, 56.41  
miles - 88.5 per cent of Watershed.

RESERVOIRS, STORAGE TANKS & STANDPIPES

| Classification                       | No. at<br>close of<br>year | Construction<br>Material | Open<br>or<br>Closed | Capacity     |
|--------------------------------------|----------------------------|--------------------------|----------------------|--------------|
| *Wanaque Reservoir                   | 1                          | Earth Dam, Concrete Core | Open                 | 27,800. M.G. |
| Collecting Reservoirs                | 4                          | Earth Dam, Concrete Core | Open                 | 11,405. M.G. |
| Storage Reservoirs<br>(Distribution) | 1                          | Earth Dam, Concrete Core | Open                 | 678.7 M.G.   |
|                                      | 2                          | Masonry and Earth Bank   | Open                 | 23. M.G.     |

\*Newark's share - 40.5 million gallons daily

PURIFICATION SYSTEM.

Sedimentation

Cedar Grove Reservoir, holding about thirteen days' supply, acts as a Sedimentation Basin. The Outlet Gatehouse is arranged so that the reservoir can be by-passed and the supply drawn directly from the Watershed. There are two inlets, one near the southern end and the other near the northeast corner. The Outlet Gatehouse is on the west side. The area of Cedar Grove Reservoir is 100 acres and its capacity is 678.7 million gallons.

Purification

Chlorination plants have been installed at Macopin Intake and Cedar Grove Reservoirs.